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STANDEAR FORM 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

Complete if Known

Application Number	10/796,195
Filing Date	03/10/2004
First Named Inventor	Kato, et al.
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	520.30414C56

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KSO		US- 5,538,128	7/16/1996	Shimoyashiro, et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
KSO		JP 64-036042	2/7/1989	Kokusai Electric Co., Ltd.		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KSO		S. Nakagawa, "Dry Etching", Drafts in Symposium of VLSI and FA Technology, April 1985, pages 1-14	
KSO		N. Nagai, "Parallel-Implantation Ion Implantation Device "NH-20SP", Special Issue/Semiconductor Manufacturing Device of Half-Micron Age, pages 1-12, 3/1990	

Examiner Signature

KSO/Malley

Date Considered

9/23/04

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

ATTY. DOCKET NO.

APPLICATION NO.

520,30414C56

TBD

INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
KATO, et al.

(Use several sheets if necessary)

FILING DATE
March 10, 2004EXPECTED GROUP
3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
KSO	3	6	5	2	4	4	4	2-72	Lester, et al.			
	3	9	8	1	7	9	1	9-76	Rosvold			
	4	2	2	6	8	9	7	10-80	Coleman			
	4	3	1	1	4	2	7	1-82	Coad, et al.			
	4	3	1	3	8	1	5	2-82	Graves, Jr. et al.			
	4	4	4	9	8	8	5	5-84	Hertel, et al.			
	4	4	5	7	6	6	1	7-84	Flint, et al.			
	4	5	3	4	3	1	4	8-85	Ackley			
	4	5	6	3	2	4	0	1-86	Shibata, et al.			
	4	6	3	4	3	3	1	1-87	Hertel			
	4	7	0	5	9	5	1	11-87	Layman, et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCL ASS	TRANSLATION	
						YES	NO
KSO	6 2 8 9 8 8 1	4-87	Japan			X	
	6 2 2 0 7 8 6 6	9-87	Japan			X	
	1 3 1 9 7 0	2-89	Japan			X	
	1 3 1 9 7 1	2-89	Japan			X	
	6 3 6 5 8 2	1-89	Japan			X	
	1 1 3 5 0 1 5	5-89	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KSO	R.P.H. Chang, "Multipurpose plasma reactor for materials research and processing", J. Vac. Sci. Technol., Vol. 14, No. 1, Jan./Feb. 1977, pages 278-280.
	Semiconductor Equipment Association of Japan, "Terminological Dictionary of Semiconductor Equipment", front, table, page 183, back, Nov. 20, 1987.
	Semiconductor Equipment Association of Japan, "Semiconductor News", Vol. 4, pp. 38-43, April 10, 1987 (w/ translation).

EXAMINER KSO Malley

DATE CONSIDERED

9/23/04

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FORM PTO-1449 U.S. Department of Commerce
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503.30414C56

APPLICATION NO.

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KATO, et al.

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EXPECTED GROUP
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U.S. PATENT DOCUMENTS

EXAMINEE INITIAL		DOCUMENT NUMBER							DATE	NAME	CLAS S	SUBCL ASS	FILING DATE IF APPROPRIATE
		4	7	1	5	7	6	4					
KSD		4	8	5	1	1	0	1	7-89	Hutchinson			
		4	8	3	6	7	3	3	6-89	Hertel, et al.			
		4	8	3	6	9	0	5	6-89	Davis, et al.			
		4	8	9	5	1	0	7	1-90	Yano, et al.			
		4	9	0	2	9	3	4	2-90	Miyamura, et al.			
		4	9	0	3	9	3	7	2-90	Jakuniec, et al.			
		4	9	0	9	6	9	5	3-90	Hurwitt, et al.			
		4	9	1	1	5	9	7	3-90	Maydan, et al.			
		4	9	1	5	5	6	4	4-90	Eror, et al.			
		4	9	1	7	5	5	6	4-90	Stark, et al.			

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		1	2	5	1	7	3	4	10-89	Japan			X	
		6	2	4	4	5	7	1	2-87	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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FD-1610 (Rev. 4-92) U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. 520.30414C56	APPLICATION NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		
(Use several sheets if necessary)		
	APPLICANT KATO, et al.	
	Filed: 03/10/04	EXPECTED GROUP 8749

U.S. PATENT DOCUMENTS

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EXAMINER KSO'Malley **DATE CONSIDERED** 9/23/04

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REMB PTO-1449 U.S. Department of Commerce
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ATTY. DOCKET NO. APPLICATION NO.
520.30414C56. TBD

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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APPLICANT
KATO, et al.
Filed: 03/10/04 EXPECTED GROUP
3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
KSE	4	9	2	4	8	9	0	5-90	Elles, et al.	134	902		
	4	9	9	6	3	2	9	6-90	Michael, et al.	134	902		
	5	0	1	4	2	1	7	5-91	Savage	364	550		
	5	0	0	7	9	8	1	4-91	Kawasaki, et al.				
	4	1	3	8	3	0	6	2-91	Niwa	158	345		
	4	5	7	6	6	9	8	3-91	Gallagher, et al.	204	192		
	5	0	1	4	2	1	7	5-91	Savage	364	498		
	5	3	5	1	4	1	5	10-94	Brooks, et al.	34	389		
	4	6	4	3	6	2	8	2-87	Takahashi, et al.	414	881		
	4	8	2	4	3	0	9	4-89	Kakehi, et al.	414	217		
	4	9	5	1	6	0	1	6-90	Maydan, et al.	414	217X		

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EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION		
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KSE	2	0	3	8	1	3	3	8	5-90	Europe					
	6	4	1	2	0	3	7	1-89	Japan						
	4	3	0	5	4	9	4-92		Japan						
	8	7	0	7	3	0	9	5-87	PCT Int'l Appl						
	2	9	4	6	4	7	4-90		Japan						
	6	0	2	4	6	6	3	5	12-85	Japan					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER *KSE Malley* DATE CONSIDERED *9/23/04*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use several sheets if necessary)</small>								ATTY. DOCKET NO. 520.30414C56	APPLICATION NO. TBD
								APPLICANT KATO, et al.	
								Filed: 03/10/04	EXPECTED GROUP 3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
<i>KSO</i>		5	0	0	7	9	8	1	4-91	Kawasaki, et al.			
		5	2	9	2	3	9	3	8-94	Maydan, et al.			
		5	4	5	2	1	6	6	8-95	Aytwin, et al.			
		5	5	0	4	0	3	3	4-96	Bajor, et al.			
		5	5	0	4	3	4	7	4-96	Jovanovic, et al.			
		5	5	5	6	7	1	4	9-96	Fukuyama, et al.			
		5	6	5	1	8	5	8	7-97	Lin			
		5	6	7	5	4	6	1	10-97	Aytwin, et al.			
		4	3	1	3	7	8	3	2-92	Davies, et al.			
		4	3	1	8	7	6	7	3-92	Hijikata, et al.			
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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION		
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<i>KSO</i>		6	2	5	0	4	6	3	8-97	Japan					X
		2	1	0	6	0	3	7	4-90	Japan					X
		5	7	2	9	5	7	7	2-92	Japan					X
		6	3	1	5	3	2	7	0	6-98	Japan				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>KSO Malley</i>	DATE CONSIDERED	9/23/04
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EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. 520.30415C56	SERIAL NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT KATO, et al.		
		Filed: 03/10/04	GROUP 3749	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
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	AV	JP patent No. 3147230, Notice of Reasons for Revocation 12-18-01 (TR)
	AW	
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Examiner		Date Considered
RJS Mullen		9/23/04

* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C56	SERIAL NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use several sheets if necessary)</small>		APPLICANT KATO, et al.	
		Filed: 03/10/04	GROUP 3749

U.S. PATENT DOCUMENTS

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	AV	KR application No. 212874, 12-22-00, Notice of Decision on Opposition to the Granted Patent
	AW	KR application No. 46757/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
	AX	KR application No. 212819, 12-22-00, Notice of Decision on Opposition to the Granted Patent (TR)
	AY	JP patent No. 3145359, Notice of Reasons for Revocation 12-18-01 (TR)
	AZ	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)

Examiner:	Date Considered:
<i>Kel Malley</i>	<i>9/23/04</i>

* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C56	SERIAL NO. TBD
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U.S. PATENT DOCUMENTS

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
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	AV	EP98106162, Office action 11-2000
	AW	EP98106162, Office action 6-2001
	AX	KR application No. 14984/91, Preliminary Notice of Ground(s) for Rejection (TR)
	AY	KR application No. 184682-00-00 Notice of Decision on Opposition to the Granted Patent 10-4-2000 (TR)
	AZ	KR application No. 184682, Trial Decision 8-1-00 (TR)

Examiner	Date Considered
<i>Malley</i>	9/23/04

* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C56	SERIAL NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT KATO, et al.	
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U.S. PATENT DOCUMENTS

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	AV	EP91307625, Communication of a notice of opposition 11-19-98
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	AX	EP91307625, Minutes of the oral proceedings, 3-9-00
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Examiner K. O'Malley	Date Considered 9/23/04
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	AV	JP application No. 2000-05449, Notification of Reasons for Refusal 9-6-00 (TR)
	AW	JP application No. 2000-054450, Notification of Reasons for Refusal 9-6-00 (TR)
	AX	JP application No. 2000-054451, Notification of Reasons for Refusal 9-6-00 (TR)
	AY	JP application No. 2000-054452, Notification of Reasons for Refusal 9-6-00 (TR)
	AZ	EP91307625, Office Action 10-11-93

Examiner

K. O'Malley

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FOREIGN PATENT DOCUMENTS *

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						Yes	No
AM	2-224242	9-6-90	Japan			ABS	
AN	2-224242	9-6-90	Japan			PTR	
AO	58-108641	6-28-83	Japan			ABS	
AP	1-120811	5-12-89	Japan			ABS	
AQ	61-250185	11-7-86	Japan			ABS	
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AU	JP patent No. 2816139, Notice of Reasons for Revocation 11-21-99 (TR)
AV	Official Decision on Opposition to Grant of Patent 1999-71584 1-12-01 (TR)
AW	JP application No. 9-329873, Notification of Reasons for Refusal 7-14-98 (TR)
AX	JP application No. 9-329873, Notification of Reasons for Refusal 11-10-98 (TR)
AY	JP patent No. 2942527, Notice of Reasons for Revocation 6-27-00 (TR)
AZ	Decision on Opposition to the Grant of a Patent 2000-70844 1-12-01 (TR)

Examiner <i>K. Mallery</i>	Date Considered <i>9/23/04</i>
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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520-30414C56	SERIAL NO. TBD
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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
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X8	AM 2-178946	7-11-90	Japan			PTR	ABS
	AN 62-132321	6-15-87	Japan			PTR	ABS
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	AQ 0381338	8-8-90	Europe				
	AR 0246453	11-25-87	Europe				
	AS 2-65252	3-5-90	Japan			PTR	
	AT 1-135015	5-26-89	Japan			ABS	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

X8	AU	JP application No. 2646905, Notice of Reasons for Revocation 7-21-99 (TR)
	AV	Decision for Patent Opposition, Opposition No. 10-70995 (10-99) (TR)
	AW	JP application No. 2-225321, Notification of Reasons for Refusal 10-15-96 (TR)
	AX	JP application No. 8-335329, Interview Record (TR)
	AY	JP application No. 8-335329, Notification of Reasons for Refusal 9-30-97 (TR)
	AZ	JP application No. 8-335329, Notification of Reasons for Refusal 4-7-98 (TR)

Examiner

John Malley

Date Considered

9/23/04

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	Yes	No
						ABS		
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AN	60-52574	3-25-85	Japan			ABS		
AO	4-82841	7-20-92	Japan			ABS		
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* PTR (partial translation) - FTR (full translation) - ABS (abstract)

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